Special Issue

Micropollutants/Emerging Contaminants in Aquatic Environments: Occurrence, Environmental Fates, and Effects on Aquatic Organisms

Message from the Guest Editors

Micropollutants/emerging contaminants are increasingly detected in aquatic environments. Despite their presence at trace levels, these pollutants can accumulate over time, disrupting aquatic ecosystems and inducing toxic effects in various organisms. Furthermore, biodegradable microplastics have raised new concerns due to their potential to produce unique or even heightened toxic effects compared to conventional plastics. These challenges underscore the complexity and urgency of assessing the risks posed by emerging contaminants in aquatic systems. This Special Issue is dedicated to presenting significant findings in the chemical characterization, environmental behavior, and biological exposure of micropollutants/emerging contaminants in aquatic systems, with a particular emphasis on aquatic organisms, as well as their risk assessments, mechanistic insights, and mitigation strategies. We also emphasize that experimental studies based on overly elevated or unrealistic concentrations, especially at the laboratory scale, should be avoided. Instead, submissions focusing on environmentally relevant concentrations and their realistic implications are highly encouraged.

Guest Editors

Prof. Dr. Fayuan Wang

College of Environment and Safety Engineering, Qingdao University of Science and Technology, Qingdao 266042, China

Dr. Joorim Na

OJeong Resilience Institute (OJERI), Korea University, Seoul 02841, Republic of Korea

Deadline for manuscript submissions

closed (30 July 2025)

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/229875

Toxics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
toxics@mdpi.com

mdpi.com/journal/toxics

Toxics

an Open Access Journal by MDPI

Impact Factor 4.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/toxics

About the Journal

Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

Editor-in-Chief

Dr. Demetrio Raldúa
Department Environmental Chemistry, IDAEA-CSIC, Jordi Girona 18, 08034 Barcelona, Spain

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Toxicology) / CiteScore - Q1 (Chemical Health and Safety)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).